

[illegible]

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- [c11] A system as recited in claim 10 wherein said temperature sensor comprises a thermistor.
- [c12] A system as recited in claim 10 wherein said thermistor is coupled to a heat exchanger.
- [c13] A system as recited in claim 10 wherein said temperature sensor comprises a thermistor in parallel with a shape resistor.
- [c14] A system as recited in claim 10 wherein said temperature sensor comprises a thermistor in parallel with a shape resistor, said thermistor and shape resistor being in series with a gain resistor.
- [c15] A system as recited in claim 14 further comprising a shunt in parallel with said thermistor and said shape resistor, said shunt has an open positioned and a closed position.
- [c16] A system as recited in claim 15 wherein said shunt is normally opened.
- [c17] A system as recited in claim 15 wherein said shunt is thermally activated.
- [c18] A method of operating an X-ray system comprising:
measuring a temperature of an X-ray tube; and
controlling a fan speed in response to said temperature.
- [c19] A method as recited in claim 18 when a temperature reaches a predetermined temperature, maintaining a predetermined fan speed.
- [c20] A method as recited in claim 18 wherein controlling comprises controlling the fan speed non-linearly.